

Station Relations Manager
507 Fifth Avenue,
New York City.

Dear Sir;

Enclosed please find an application for trial status in the I.B.S. At present, we are conducting research on the problems of constructing a transmission system at Smith within this year. We believe that we have complied with all the requirements for trial status as stated in your application blank, and we would be most grateful for information on the following problems.

First, we receive our electrical power from several units of the commercial line which also serves the city of Northampton. The voltage from this line is stepped down by several transformers on the line before going to the individual dormitories. With this set-up would it be necessary for us to install our own transformers, and would our signal interfere with Northampton radios? The college is contemplating a change in the power hook-up so that all electrical power would come from one commercial source. Would this make any difference in the general hook-up and/or our ability to use the college transformers?

Second, we have no one in the student body qualified to build the transmitter. Therefore we would appreciate your letting us know what specific information you would have to know about our campus in order to send us a transmitter design which could be built by a radio man. If it is possible, we would like a rough estimate of the cost of a complete transmission system assuming that it is built by professional help. We would also appreciate your help in suggesting a reliable radio construction company in or about Northampton.

We hope to have our transmission system built and ready for operation by February, 1948, and this information would be a great help in our formulating a more definite program.

Thanking you for your attention to this matter

I am

Sincerely,

P.S. Since the writing of this letter we have received some additional information and have thought of some more questions which you will find enclosed.

Wm. H. Southworth & Co.
100 N. Howard St.
San Francisco, Cal.